USER MANUAL

37pcs LED Zoom Light

Please Read Over This Manual Before Operating The Light Fixture

1 PRODUCT SPECIFICATIONS

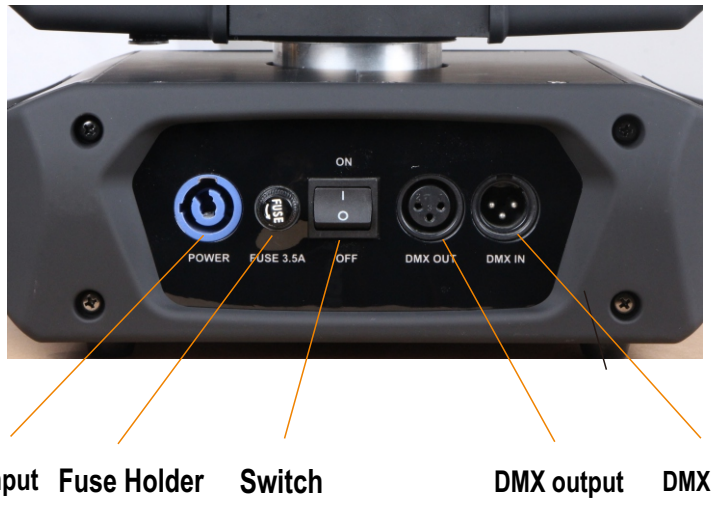
1.1 PRODUCT SPECIFICATIONS

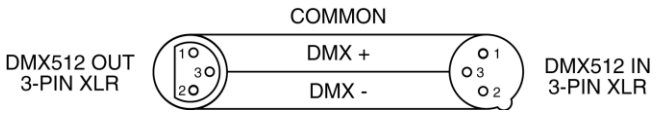
The MH3712 has 37pcs 12w 4-in-1 LEDs , with the functions of beam, image, wash,spinning shadow. Very fast zoom function for beam angles between 8° and 40°, bringing the amazing effect.

- •Compact Intelligent Moving Head Fixture
- •Dimmer 0~4
- •Zoom :8~40 degree
- •37X12w Led Source
- •10/14/21 Channels DMX Control Modes
- •4-button LCD Control Panel
- •Pan:540°/Tilt:270°(8-16Bit Resolution)
- •Variable Electronic Dimmer(0-100%)
- •Multiple Built-in Auto & Sound Activated Programs
- •Cooling System: Forced Convection Cooling
- •Housing: Flame-Retardant Plastic(V0)
- •Modes: DMX-512, Auto, & Master-Slave
- • Voltage:AC90~260V , 50/60Hz
- •Max Power:500W
- •Dimension:265x330x435mm
- •Weight:13kg

1.2 PRODUCT FEATURES

Menu - This button is used for accessing the menu functions.
Down – The down button is used for toggling down or back through the menu functions and settings
Up – The up button is used for toggling forward through the menu functions and settings.
Enter – The enter button is used for entering into a certain menu function or locking a function into memory.





Be sure to follow the above figure when making your own cables. Do not use the ground plug on the XLR connector. Do not connect the cable's shield conductor to the ground plug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

2 INSTALLATION

2.1 MOUNTING：

- The fixture can be mounted in any position.
- Always ensure that mounting surface can withstand 10 times the weight of the fixture.
- Always use a safety cable when mounting the fixture in any elevated position.

UPRIGHT

CLAMP

HANGING

CAUTION!
Be sure a qualified electrician performs all electrical connections.

IMPORTANT SAFETY NOTE!!!
Always use a safety cable when installing this unit!!
Be sure that the safety cable is connected to a solid load-bearing structure.

2.2 FUSE REPLACEMENT

- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap.
- Fuse:3A,250V

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2.3 SAFETY WARNING

IMPORTANT

【ALWAYS READ THE USER MANUAL BEFORE OPERATION. 】
【PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.】

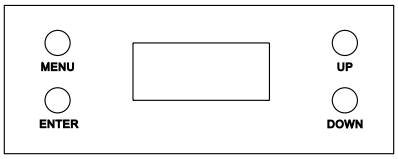
- This product must be installed by a qualified professional person.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- Do not stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION

- This product left the place of manufacturer in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact us immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lens or ultraviolet screens should be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) should be changed if it has become damaged or thermally deformed.

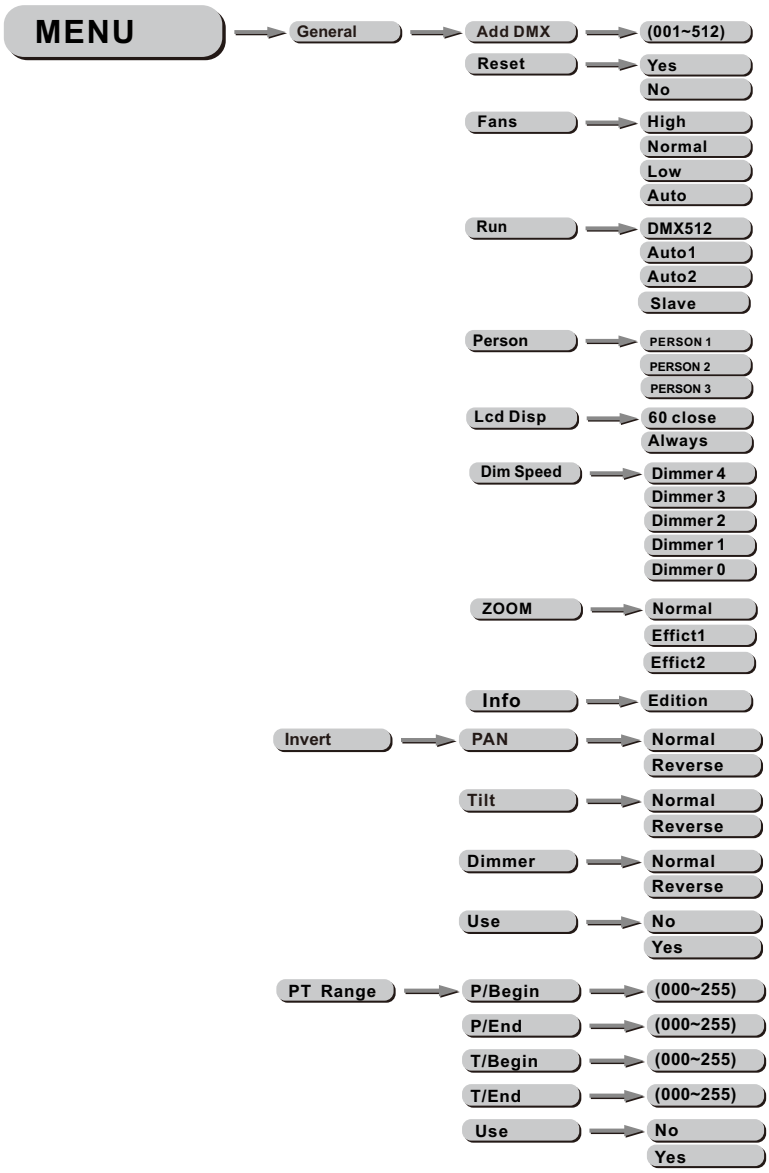
3 DISPLAY PANEL OPERATION

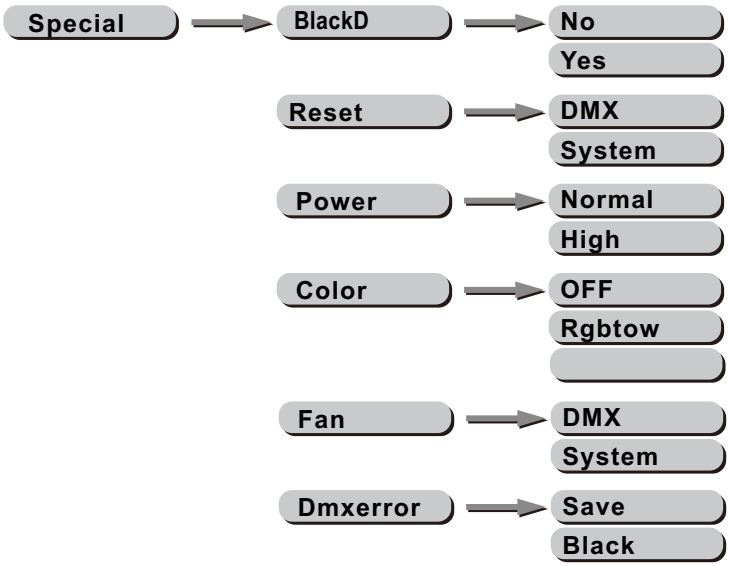
3.1 BASIC

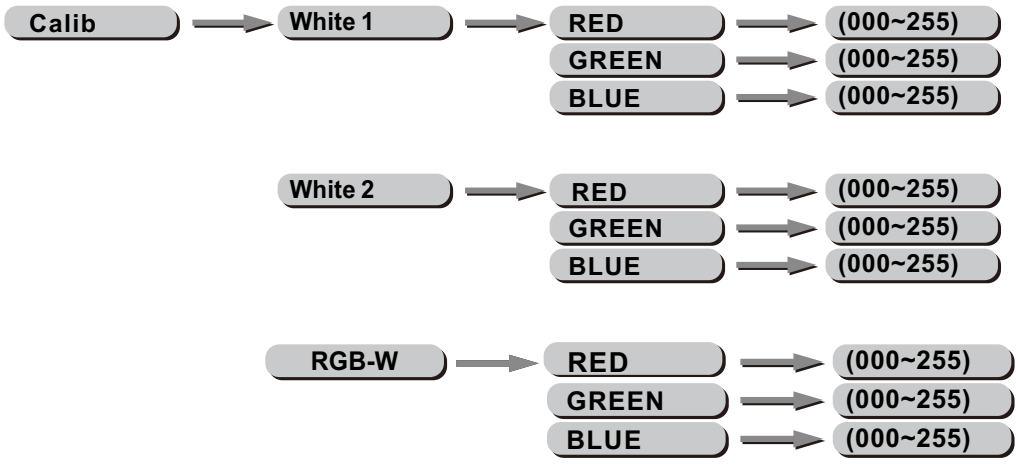


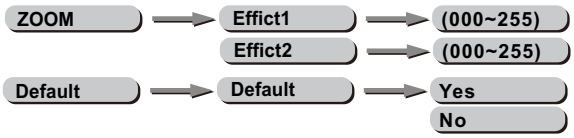
【 **MENU** 】Scroll through the main menu or exit from the current sub-menu
【**ENTER**】Enter the currently selected menu or confirm the current function value
【 **DOWN**】Scroll 'DOWN' through the menu list or decrease the value of the current function
【 **UP** 】Scroll 'UP' through the menu list or increase the value of the Current function

3.2 MENU

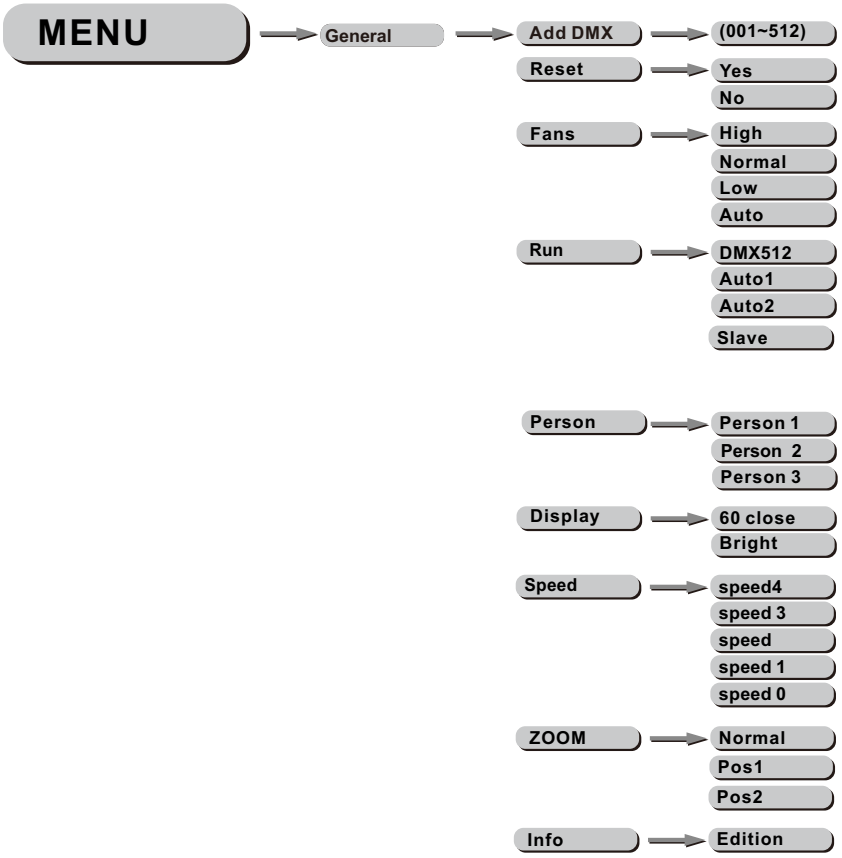



Special
BlackD
No
Yes
Reset
DMX
System
Power
Normal
High
Color
OFF
Rgbtow
Fan
DMX
System
Dmxerror
Save
Black


Calib
White 1
RED
(000~255)
GREEN
(000~255)
BLUE
(000~255)
White 2
RED
(000~255)
GREEN
(000~255)
BLUE
(000~255)
RGB-W
RED
(000~255)
GREEN
(000~255)
BLUE
(000~255)



3.3 GENERAL

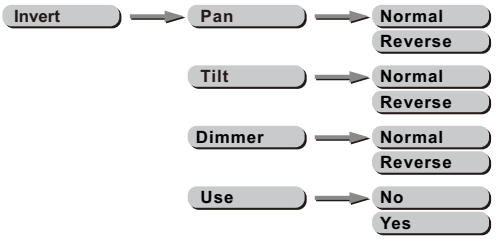


- 【Address】Enter【***Add DMX***】 to set the DMX Address, which is from (001-512)
- 【 Reset】In order to rest custom modest to default, select 【***Reset***】
- 【 Fans】Enter【***Fans***】 to select the working mode of fan: 【***High***】 is for fast; 【***Normal***】 is for normal; 【***Low***】 is for slow ; 【***Auto***】 is for Auto
- 【Run】 Enter【***Run***】 to select the operation mode: 【***DMAX512***】;【***Auto1***】; 【***Auto2***】;【***Slave***】;

- 【 Channels】Enter 【***Person***】 to select the DMX channel modes:【***person 1***】; 【**Person 2**】 【**Person 3**】.
- 【Display】Enter【 ***Display***】 to select the lighting time of the LCD display panel.

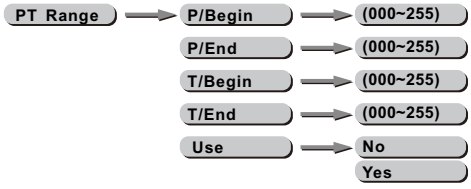
- 【 Dimmer】Enter 【***Dimmer***】 to select dimmer mode and dimmer speed. When DIMMER is set to 【***Off***】, then RGBW and MASTER DIMMER are linear. The Dim 1/2/3/4 are speed modes of the non linear dimmer ,【***Dim1***】 is the faster, while ***Dim4***】 is the slowest. The factory default setting is 【***Dim4***】**.**
- Select the【***ZOOM***】range.【***POS1***】&【***POS2***】set the small position for the zoom function.Note that when using DMX to control the fixture, the user will only be able to access upto the set ZOOM position.It is not possible to adjust beyond the set position.
- Enter【 ***Info***】 to see the version of the software.

3.4 INVERT



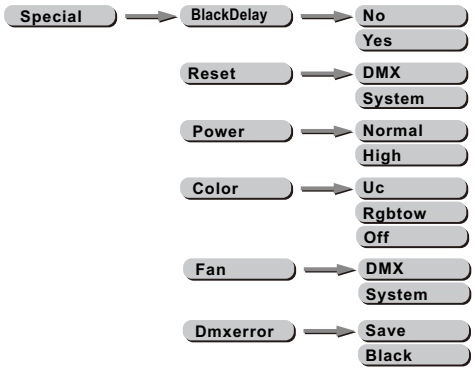
【 ***Invert***】
- Select【 ***Pan***】/【 ***Tilt***】/【 ***Dimmer***】to set 【***Normal***】 or 【***Reverse***】
- Enter【 ***Use***】 and set【***Yes***】 to run the new setting

3.5 PT RANGE



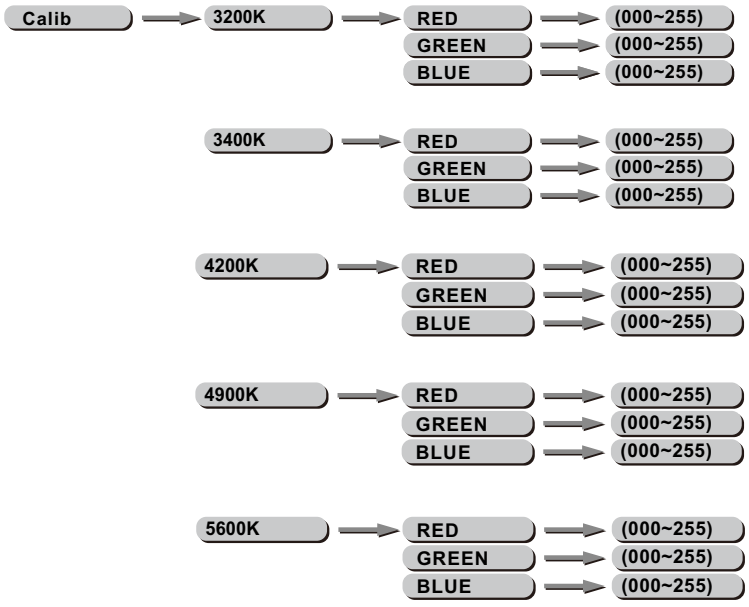
- 【***P/Begin***】Set pan start value 【***000~255***】
- 【***P/End***】Set pan finish value 【***000~255***】
- 【***T/Begin***】Set Tilt start value 【***000~255***】
- 【***T/End***】Set Tilt finish value 【***000~255***】
- 【 ***Use***】Enter【 ***Use***】 and select【***Yes***】to open the operation of X/Y angle

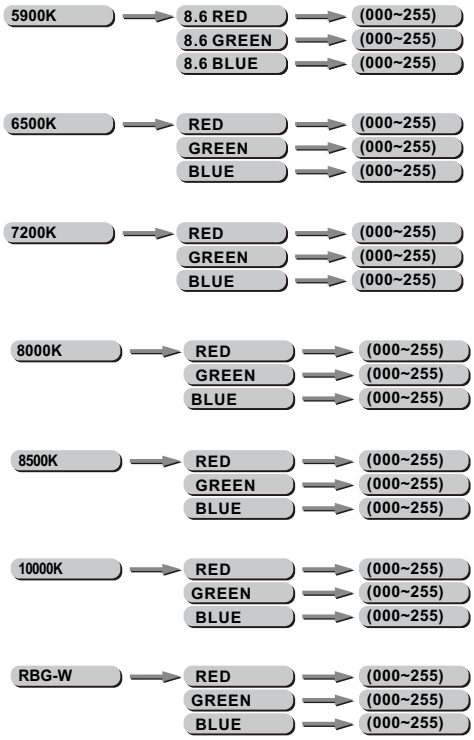
3.6 SPECIAL



- 【BlackDelay】Enter【***BlackDelay***】 to choose 【***No***】 without delay or 【***Yes***】 3seconds delay
- 【Reset】Enter【***Reset***】 to choose【***DMX***】 DMX control reset or 【***System***】 DMX cannot control reset
- 【Power】Enter 【***Power***】 to choose the power as NORMAL or HIGH.
- 【Color】【***COLOR***】 is for activate/unactivate the color calibration functions.
- 【Fan】Choose【***DMX***】DMX to control fan or 【***System***】 DMX cannot control fan
- 【Dmxerror】Choose【Save】in order to save the last DMX data in case of DMX signal error .Choose【Black】in order to blackout in case of DMX signal error.

3.7 CALIB

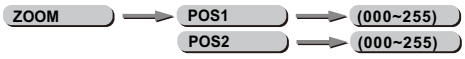




【 ***Calib***】

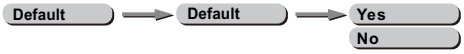
- Enter the 【***Calib***】to select white color of different color temperature.
- There are 12 pre-programmed White colors plus RGB TO WHITE and can be edited by using 【***Red***】, 【***Green***】, 【***Blue***】

3.8 ZOOM



- Calibrate the position of POS1&POS2. Set position as 0 for smallest zoom position.

3.9 DEFAULT



【 ***Default***】

- This functions will reset all setting to the original factory setting

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

● Note: This product have three DMX512 channel configuration:
【*P*ERSON 1】,【*P*ERSON 2】And【*PERSON 3*】.

PERSON 1

CHANNEL	VALUE	FUNCTION
1	000~255	DIMMER
2	000~255	STROBE
3	000~255	RED
4	000~255	GREEN
5	000~255	BLUE
6	000~255	WHITE
7	000~255	ZOOM
8	000~255	PAN
9	000~255	TILT
10		CONTROL
	0-19	NO FUNCTION
	20-29	PAN/TILT BLACK ACTIVATED
	30-39	PAN/TILT BLACK DEACTIVATED
	40-49	FAN AUTO
	50-59	FAN SLOW
	60-69	FAN NORMAL
	70-79	FAN FAST
	80-89	AUTO1 (ACTIVATED AFTER 3 SECS)
	90-99	AUTO2 (ACTIVATED AFTER 3 SECS)
	100-139	NO FUNCTION
	140-149	RESET (ACTIVATED AFTER 3 SECS)
	150-199	NO FUNCTION
	200-209	DIM0
	210-219	DIM1
	220-229	DIM2
	230-239	DIM3
	240-255	DIM4

PERSON 2

CHANNEL	VALUE	FUNCTION
1	000~255	**DIMMER**
2	000~255	**STROBE**
3	000~255	**RED**
4	000~255	**GREEN**
5	000~255	**BLUE**
6	000~255	**WHITE**
7		**COLOR/WHITE MACRO**
	000~200	NO FUCNTION
	201~205	RED 100% / GREEN 100% / BLUE 100% /WHITE 100%
	206~210	WHITE1:3200K
	211~215	WHITE2:3400K
	216~220	WHITE3:4200K
	221~225	WHITE4:4900K
	226~230	WHITE5:5600K
	231~235	WHITE6:5900K
	236~240	WHITE7:6500K
	241~245	WHITE8:7200K
	246~250	WHITE9:8000K
	251~255	WHITE10:8500K WHITE11:10000K
8	000~255	**ZOOM**
9	000~255	**PAN**
10	000~255	**PAN FINE**
11	000~255	**TILT**
12	000~255	**TILT FINE**
13	000~255	**PAN/TILT SPEED**
14		**CONTROL**
	0-19	**NO FUNCTION**
	20-29	**PAN/TILT BLACK ACTIVATED**
	30-39	**PAN/TILT BLACK DEACTIVATED**
	40-49	**FAN AUTO**
	50-59	**FAN SLOW**
	60-69	**FAN NORMAL**
	70-79	**FAN FAST**
	80-89	**AUTO1 (ACTIVATED AFTER 3 SECS)**
	90-99	**AUTO2 (ACTIVATED AFTER 3 SECS)**
	100-139	**NO FUNCTION**
	140-149	**RESET (ACTIVATED AFTER 3 SECS)**
	150-199	**NO FUNCTION**
	200-209	**DIM0**
	210-219	**DIM1**
	220-229	**DIM2**
	230-239	**DIM3**
	240-255	**DIM4**

PERSON 3

CHANNEL	VALUE	FUNCTION
1	000~255	DIMMER
2	000~255	STROBE
3	000~255	RED 1
4	000~255	GREEN 1
5	000~255	BLUE 1
6	000~255	WHITE 1
7	000~255	RED 2
8	000~255	GREEN 2
9	000~255	BLUE 2
10	000~255	WHITE 2
11	000~255	RED 3
12	000~255	GREEN 3
13	000~255	BLUE 3
14	000~255	WHITE 3
15	000~255	ZOOM
16	000~255	PAN
17	000~255	PAN FINE
18	000~255	TILT
19	000~255	TILT FINE
20	000~255	PAN/TILT SPEED
21		CONTROL
	0-19	NO FUNCTION
	20-29	PAN/TILT BLACK ACTIVATED
	30-39	PAN/TILT BLACK DEACTIVATED
	40-49	FAN AUTO
	50-59	FAN SLOW
	60-69	FAN NORMAL
	70-79	FAN FAST
	80-89	AUTO1 (ACTIVATED AFTER 3 SECS)
	90-99	AUTO2 (ACTIVATED AFTER 3 SECS)
	100-139	NO FUNCTION
	140-149	RESET (ACTIVATED AFTER 3 SECS)
	150-199	NO FUNCTION
	200-209	DIM0
	210-219	DIM1
	220-229	DIM2
	230-239	DIM3
	240-255	DIM4